

Term Project (no final exam)

1. One day (very soon), TA will explain a computer source code in which an immersed boundary method is implemented for solving the unsteady incompressible Navier-Stokes equations using a fractional step method (RK3 + CN) and a second-order central difference method.
2. TA will also tell you how to solve a flow over an oscillating cylinder as a test problem using the source code.
3. Pick up an **interesting** flow problem (this problem should be different from your research problem). Well known flow problems will not be much appreciated by your class mates!
4. Give a two-minute talk (May 23, Wednesday) during the class. You should explain the motivation and objective, and a brief plan for your term project.
5. Enjoy the IB method code!
6. Give a five-minute talk at the end of class (June 20, Wednesday) for your term project, and submit a final report.